

## **ABSTRACT Of THE DISCLOSURE**

There is disclosed herein an improved air and fuel intake system for a high performance internal combustion engine for installing on a supercharger or the intake manifold of the engine. The air intake system is attached to the mounting surface of the supercharger or intake manifold such that the plurality of separate air passages of the intake system ensure the uniform distribution of intake air to all parts of the supercharger or intake manifold. Each air passage has a decreasing cross-sectional area along the direction of air flow to increase the velocity of the intake air. The air intake system includes a forwardly disposed air inlet, which faces in the direction of travel of a vehicle powered by the engine. The air passages are controlled by butterfly air valves in the air inlet.